

II. Practice With Slope Fields

1. Match the slope fields with their differential equations.

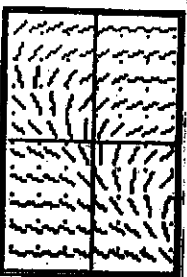
i. $y' = 2 - y$

ii. $y' = x$

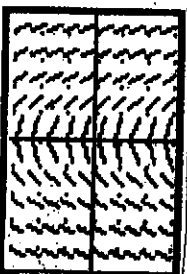
iii. $y' = \sin x$

iv. $y' = x - y$

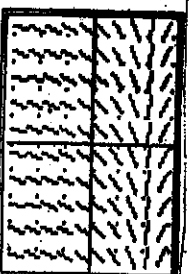
a.



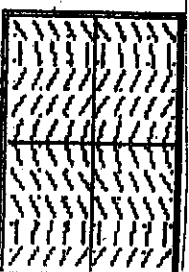
b.



c.



d.



2. Match the slope fields with their differential equations.

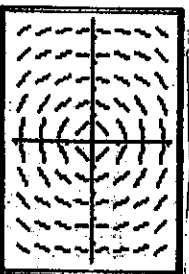
i. $y' = x + y$

ii. $y' = 0.5x - 1$

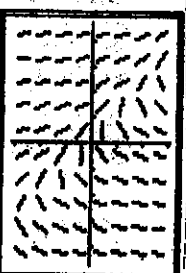
iii. $y' = 0.5y$

iv. $y' = -(x/y)$

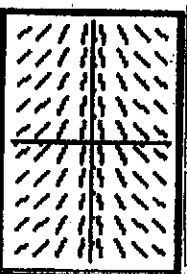
a.



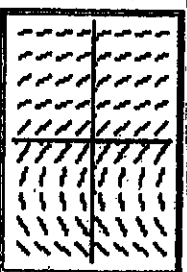
b.



c.



d.



3. On the slope fields shown below, draw the particular solutions that contain the indicated points.

a. $(0, 1); (3, 4); (0, -4); (-8, -2)$

b. $(0, 4); (0, 8); (0, 10); (0, 15)$

